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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/636,160

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Naoki Itakura

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06/28/2006

SCULLY SCOTT MURPHY & PRESSER, PC
400 GARDEN CITY PLAZA
SUITE 300
GARDEN CITY, NY 11530

EXAMINER

ABDULSELAM, ABBAS I

ART UNIT

PAPER NUMBER

2629

DATE MAILED: 06/28/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/636,160

Applicant(s)

ITAKURA, NAOKI

Examiner

Abbas I. Abdulsalam

Art Unit

2629

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 08 June 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-13 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 1-12 is/are allowed.
- 6) ☒ Claim(s) 13 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date <u>06/08/05</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Allowable Subject Matter

1. Claims 1-12 are allowed.

Reasons for Allowance

2. The following is an examiner's statement of reasons for allowance:

Nia et al. (USPN 6873307) teach a display apparatus for displaying images based on signals received from a host, the display apparatus includes a determining means for determining an interface type of the host, a plurality of storage means each storing specification information relating to display for one of interface types to be connected, and an output means for outputting, from one of the storage means to the host, the specification information corresponding to the interface type determined by the determining means (see the abstract and fig. 2).

Regarding claim 1, the prior art does not teach a display apparatus comprising: a storage device that stores a plurality of specification information for the display apparatus; a connection device capable of selectively connecting a plurality of types of cable, and which has a first terminal for connection to a power supply terminal of the cable and a second terminal for connection to a power supply detection terminal of the cable; a resistor connected between the first and second terminals; a distinguishing device which distinguishes the type of the cable connected to the connection device by detecting a potential difference due to the resistor; a selection device that selects one of the specification information from the storage device based on the distinction result of the distinguishing device; and a transmission device that transmits the

Art Unit: 2629

specification information selected by the selection device via the connection device and cable to a computer.

Regarding claim 11, the prior art does not teach a display system comprising: a display apparatus provided with: a storage device that stores a plurality of specification information for the display apparatus; a connection device capable of selectively connecting a plurality of types of cable, and which has a first terminal for connection to a power supply terminal of the cable and a second terminal for connection to a power supply detection terminal of the cable; a resistor connected between the first and second terminals; a distinguishing device which distinguishes the type of the cable connected to the connection device by detecting a potential difference due to the resistor; a selection device that selects one of the specification information from the storage device based on the distinction result of the distinguishing device; and a transmission device that transmits the specification information selected by the selection device via the connection device and cable to a computer; one of the plurality of types of cable for connection to the connection device; and a computer provided with: a connection device for connection to the display apparatus via the cable; and a transmission device which transmits a video signal to the display apparatus based on the specification information sent from the display apparatus.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claim 13 is rejected under 35 U.S.C. 102(e) as being anticipated by Nitta et al. (USPN 6873307).

Regarding claim 13, Nitta teaches as shown in Fig.1 a computer 1, a display 8 with a receptacle 9 formed adjacent to a rear for receiving a DVI-I connector 11, a VGA connector acting as receptacle 10, a graphic card 7, which may be the VGA interface type or the DV-I interface type, and a conversion cable (13) (col. 3, lines 1-28). Nitta also teaches as shown in Fig. 1 a conversion cable 13 extending between the DVI-I connector 11 and the VGA connector 10 with the DVI-I connector 11 having a power line Vcc3 (5V line for DDC) which is grounded (col. 4, lines 32-35). Furthermore, Nitta teaches Plug-and-Play compatible display apparatus, which has specification information already, stored in its memory, which is to be transmitted to the graphics card (7), col. 1, lines 51-54. Nitta discloses that both the graphics card 7 and the display 8 employ the DVI-I interface, and the graphics card 7 and display 8 may be connected through a usual video cable, col. 3, lines 24-28. Nitta further teaches that a power line Vcc1, which is connected to the primary source of display 8 for supplying 5V DC voltage, is connected

Art Unit: 2629

to the EDID storage memory 23 and to the multiplexer 31 through a backflow preventing diode D3 which prevents reverse flow of current (col. 4, lines 1-5).

Conclusion

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. The following arts are cited for further reference.

U.S. Pat. No. 6,804,724 to Shin

U.S. Pat. No. 6,092,206 to Choi

U.S. Pat. No. 6,089,453 to Kayser et al.

U.S. Pat. No. 6,072,465 to Maeda et al.

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Abbas I. Abdulsalam whose telephone number is 571-272-7685. The examiner can normally be reached on Monday through Friday from 9:00 A.M. to 5:30 P.M.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Richard Hjerpe, can be reached on 571-272-7691. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR

Art Unit: 2629

system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Abbas Abdulsalam

Examiner

Art Unit 2629

June 18, 2006

A handwritten signature in black ink, appearing to read 'Richard Hjerpe', with a stylized, flowing script.

**RICHARD HJERPE
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600**